

	Comments	Error Definition	Errors
1			
2			
3			
4			
5			
6			

	Type	L #	Hits	Search Text	DBs	Time Stamp
7	BRS	L7	14990	(( \$2bg BG\$1 grating\$1) same beams)	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 18:29
8	BRS	L8	3052	(( \$2bg BG\$1 grating\$1) same beams) same interference	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 18:29
9	BRS	L9	15573	(bg\$1 grating\$1 \$2bg) same (index\$3 indice\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 18:29
10	BRS	L10	1261	L7 and L8 and L9	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 18:29
11	BRS	L11	123	L5 and L6 and L10	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 18:29

	Comments	Error Definition	Errors
7			
8			
9			
10			
11			

	Type	L #	Hits	Search Text	DBs	Time Stamp
12	BRS	L12	19	L11 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1)	US- PGPUB; USPAT; EPO; JPO; DERWEN T	2005/11/23 18:29

	Comments	Error Definition	Errors
12			

	Type	Hits	Search Text
1	BRS	7999	(brag\$3 near4 grating\$1) same (mask\$1 uv interference\$1 fiber\$1 fibre\$1 waveguide\$1 wave adj1 guide\$1 substrat\$2)
2	BRS	1323	grating\$1 same (masks (second adj1 mask\$3))
3	BRS	2869	(ultraviolet\$3 ultra adj1 violet\$3 uv) same grating\$1
4	BRS	8628	(BG\$1 grating\$1) near9 (second adj1 beam beams)
5	BRS	92307	(bg\$1 grating\$1 near12 (portion\$1 area\$1 segment\$1 index\$3 indice\$2)) same index\$3 indice\$1
6	BRS	37346	(gaussian\$2 apodiz\$6)
7	BRS	23465	(bg\$1 grating\$1) near12 (fiber\$1 fibre\$1 waveguide\$1 wave adj1 guid\$3 substrat\$2) same (fiber\$1 fibre\$1 waveguide\$1 wave adj1 guid\$3)
8	BRS	31	S1 and S2 and S3 and S4 and S6 and S7 and S8
9	BRS	8	S9 and (windows holes aperturs)
10	BRS	0	S9 and ((windows holes aperturs) same mask\$1)
11	BRS	4	S9 and ((windows holes apertur\$2) same mask\$1)
12	BRS	1	S9 and ((slits vias) same mask\$1)

	<b>DBs</b>	<b>Time Stamp</b>	<b>Comments</b>	<b>Error Definition</b>
1	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 16:27		
2	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:13		
3	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 14:27		
4	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:08		
5	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:10		
6	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 14:34		
7	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:12		
8	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 15:28		
9	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 16:43		
10	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 15:30		
11	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 15:51		
12	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 15:37		

	<b>Errors</b>	<b>Ref #</b>
<b>1</b>		S1
<b>2</b>		S2
<b>3</b>		S3
<b>4</b>		S4
<b>5</b>		S6
<b>6</b>		S7
<b>7</b>		S8
<b>8</b>		S9
<b>9</b>		S10
<b>10</b>		S11
<b>11</b>		S12
<b>12</b>		S13



	Type	Hits	Search Text
13	BRS	50	("5,104,209" "5,478,371" "5,367,588" "5.652,818" "5,655,040" "5,730,888" "5,748,814" "5,830,622" "5,857,043" "5.903,689" "5,912,999" "5,930,420" "5,953,471" "6,004,703" "6,035,083" "6,043,497" "6,072,927" "6,084,998" "6,130,973" "6,169,830" "6,204,969" "6,256,435" "6,278,817" "6,307,679" "6,330,383" "6,374,016" "6,404,956" "6,408,119" "6,415,081" "6,441,962" "6,456,762" "6,465,153" "6,545,808" "6553,163" "6,574,395" "6,591,039" "20010008466" "20010014200" "20010021294" "20010031114" "20010043774" "20010051020" "20020015919" "20020122628" "20020186924" "20030007729" "20030007732" "20030035623" "20030053732" "20030107786" "20030107787" "20030108802") .pn.
14	BRS	67	S1 and S2 and S3 and S4 and S6 and S8
15	BRS	11	S16 and S14
16	BRS	3	S17 and ((windows holes apertur\$2 slits) same mask\$1)
17	BRS	0	S17 and (second adj1 (window hole slit) same mask\$1)
18	BRS	7	S10 not S12
19	BRS	7	("20050047705" "6771857" "6567573" "5972542" "5881188" "5881186" "5745617") .pn.
20	BRS	7	S10 and S22
21	BRS	7	S22 and (windows holes aperturs)
22	BRS	2	"20010043774".pn.
23	BRS	1	S20 and (mask\$1 same grating\$1)
24	BRS	14137	(( \$2bg BG\$1 grating\$1) same beams)

	DBs	Time Stamp	Comments	Error Definition
13	US-PGPUB; USPAT	2005/05/09 15:49		
14	US-PGPUB; USPAT	2005/05/09 15:51		
15	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 15:51		
16	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 16:12		
17	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 16:17		
18	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 16:21		
19	US-PGPUB; USPAT	2005/05/09 16:22		
20	US-PGPUB; USPAT	2005/05/09 16:23		
21	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:17		
22	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 16:27		
23	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:07		
24	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:09		

	Errors	Ref #
13		S14
14		S16
15		S17
16		S18
17		S19
18		S21
19		S22
20		S23
21		S24
22		S20
23		S26
24		S27

	Type	Hits	Search Text
25	BRS	2898	(( \$2bg BG\$1 grating\$1) same beams) same interference
26	BRS	14466	(bg\$1 grating\$1 \$2bg) same (index\$3 indice\$1)
27	BRS	1184	S27 and S28 and S29
28	BRS	115	S1 and S2 and S30
29	BRS	24	S31 and (windows holes aperturs)
30	BRS	18	S31 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1)
31	BRS	3	S33 and S7
32	BRS	2	"6067391".pn.
33	BRS	1	S35 and S34
34	BRS	1	S20 and (refract\$5 index\$3 indic\$2)
35	BRS	2	S35 and (refract\$5 index\$3 indic\$2)
36	BRS	0	S35 and (indexes indic\$2) same (beams interfer\$5)
37	BRS	1	S35 and (indexes indic\$2)
38	BRS	1	S35 and (index\$3 indic\$2) same (var\$5 diff\$5 tun\$5 chang\$5 modif\$5 alter\$4)
39	BRS	1	S35 and (index\$3 indic\$2 reflect\$7) same (desir\$4 var\$5 diff\$5 tun\$5 chang\$5 modif\$5 alter\$4)
40	BRS	2	"6067391".pn.
41	BRS	1	S43 and (order\$1 same (beam\$3 radia\$4 interf\$6 light wavelength\$1 grating\$1 brag\$2))
42	BRS	2	"6067391".pn.
43	BRS	1	S45 and gas\$5
44	BRS	1	S45 and (heat\$4 hydrogen\$4 evapor\$5 vapor\$7)

	DBs	Time Stamp	Comments	Error Definition
25	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:09		
26	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:18		
27	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:12		
28	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
29	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:18		
30	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
31	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 17:38		
32	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 17:39		
33	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:28		
34	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:28		
35	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:40		
36	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:39		
37	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:40		
38	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:57		
39	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/09 18:58		
40	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 13:21		
41	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 12:06		
42	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/18 17:10		
43	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 13:26		
44	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 13:28		

	<b>Errors</b>	<b>Ref #</b>
25		S28
26		S29
27		S30
28		S31
29		S32
30		S33
31		S34
32		S35
33		S36
34		S37
35		S38
36		S39
37		S40
38		S41
39		S42
40		S43
41		S44
42		S45
43		S46
44		S47

	Type	Hits	Search Text
45	BRS	2	"6067391".pn.
46	BRS	1	S48 and (phas\$4 near\$5 (chang\$4 shift\$4 alter\$5))
47	BRS	8016	(brag\$3 near\$4 grating\$1) same (mask\$1 uv interference\$1 fiber\$1 fibre\$1 waveguide\$1 wave adj1 guide\$1 substrat\$2)
48	BRS	1328	grating\$1 same (masks (second adj1 mask\$3))
49	BRS	14153	(((\$2bg BG\$1 grating\$1) same beams)
50	BRS	2902	(((\$2bg BG\$1 grating\$1) same beams) same interference
51	BRS	14485	(bg\$1 grating\$1 \$2bg) same (index\$3 indice\$1)
52	BRS	1186	S52 and S53 and S54
53	BRS	115	S50 and S51 and S55
54	BRS	115	S50 and S51 and S55
55	BRS	18	S57 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1)
56	BRS	2	S58 and (gas\$5)
57	BRS	1	"6067391".pn.
58	BRS	1	10/733325
59	BRS	2	"6067391".pn.
60	BRS	1	S62 and (gas\$4 profile\$1 table lookup\$4)
61	BRS	1	S64 and (gas\$4 profile\$1 table lookup\$4)
62	BRS	2	S62 and (heat\$4 thermal\$4 hydrogen\$4 co\$2 carbon\$4)
63	BRS	1	S62 and (heat\$4 thermal\$4 hydrogen\$4 co\$1 carbon\$4 melt\$4 gas\$5 fum\$2)

	<b>DBs</b>	<b>Time Stamp</b>	<b>Comments</b>	<b>Error Definition</b>
45	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 16:44		
46	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 15:58		
47	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
48	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
49	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
50	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
51	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
52	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
53	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:23		
54	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:24		
55	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 19:09		
56	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/05/10 16:25		
57	US-PGPUB; USPAT	2005/11/18 17:11		
58	US-PGPUB; USPAT	2005/11/18 17:11		
59	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 16:45		
60	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 16:53		
61	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 16:56		
62	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:02		
63	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:07		



	<b>Errors</b>	<b>Ref #</b>
45		S48
46		S49
47		S50
48		S51
49		S52
50		S53
51		S54
52		S55
53		S56
54		S57
55		S58
56		S59
57		S60
58		S61
59		S62
60		S63
61		S65
62		S66
63		S67

	Type	Hits	Search Text
64	BRS	0	co\$1 near laser\$1 near9 grating\$1 same (gas gaseous near7 hydrogn\$1) near7 profile\$1 and grating near7 interference near5 beam\$1
65	BRS	0	co\$1 near laser\$1 near9 grating\$1 same (gas gaseous near7 hydrogn\$1) and grating near7 interference near5 beam\$1
66	BRS	0	co\$1 near laser\$1 near9 grating\$1 same (gas gaseous hydrogn\$1) and grating\$1 near7 interference near5 beam\$1
67	BRS	0	((('co' "'co.'") adj2 laser\$1 near9 grating\$1) same (gas gaseous hydrogn\$1) and grating\$1 near7 interference near5 beam\$1
68	BRS	4	((('co' "'co.'") adj2 laser\$1 near9 grating\$1) same (gas gaseous hydrogn\$1)
69	BRS	586	(laser\$1 near9 grating\$1) same (gas gaseous hydrogn\$1)
70	BRS	351	(laser\$1 near9 grating\$1) same laser near7 (gas gaseous hydrogn\$1)
71	BRS	21	(laser\$1 near9 grating\$1) same laser near7 (gas gaseous hydrogn\$1) same interference
72	BRS	6	(laser\$1 near9 grating\$1) same laser near7 (gas gaseous hydrogn\$1) same interference near3 beam\$1
73	BRS	2	(laser\$1 near9 grating\$1) same laser near7 (heat\$3 themal\$4 intens\$4) near5 (gas gaseous hydrogn\$1) and beam\$1 near3 interfer\$5
74	BRS	0	(laser\$1 near9 grating\$1) same laser near7 (heat\$3 themal\$4 intens\$4) near5 (hydrogn\$1) same (fiber\$1 fibre\$1 waveguide\$1)
75	BRS	0	(laser\$1 near9 grating\$1) same laser near7 (hydrogn\$1) same (fiber\$1 fibre\$1 waveguide\$1)
76	BRS	11	(laser\$1 near9 grating\$1) same laser near7 (hydrogen\$1) same (fiber\$1 fibre\$1 waveguide\$1)

	<b>DBs</b>	<b>Time Stamp</b>	<b>Comments</b>	<b>Error Definition</b>
64	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:11		
65	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:11		
66	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:12		
67	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:13		
68	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:16		
69	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:16		
70	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:17		
71	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:30		
72	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:19		
73	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:22		
74	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:27		
75	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:27		
76	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:37		

	<b>Errors</b>	<b>Ref #</b>
64		S68
65		S69
66		S70
67		S71
68		S72
69		S73
70		S74
71		S75
72		S76
73		S77
74		S78
75		S79
76		S80

	Type	Hits	Search Text
77	BRS	1	(laser\$1 near9 grating\$1) same beam\$2 near7 (gas gaseous hydrogn\$1) near7 (fiber\$1 FIBRE\$1)
78	BRS	1	(beam\$1 near9 grating\$1) same beam\$2 near7 (gas gaseous hydrogn\$1) near7 (core clad\$4 fiber\$1 FIBRE\$1)
79	BRS	1	(beam\$1 near9 grating\$1) same beam\$2 near7 (gas gaseous hydrogn\$1) near7 (core clad\$4 fiber\$1 FIBRE\$1 waveguide\$1)
80	BRS	17	(beam\$1 near9 grating\$1) and (writ\$4 beam\$2) near7 (gas gaseous hydrogn\$1) near7 (core clad\$4 fiber\$1 FIBRE\$1 waveguide\$1)
81	BRS	8746	(brag\$3 near4 grating\$1) same (mask\$1 uv interference\$1 fiber\$1 fibre\$1 waveguide\$1 wave adj1 guide\$1 substrat\$2)
82	BRS	1446	grating\$1 same (masks (second adj1 mask\$3))
83	BRS	14980	(((\$2bg BG\$1 grating\$1) same beams)
84	BRS	3051	(((\$2bg BG\$1 grating\$1) same beams) same interference
85	BRS	15563	(bg\$1 grating\$1 \$2bg) same (index\$3 indice\$1)
86	BRS	1261	S87 and S88 and S89
87	BRS	123	S85 and S86 and S90
88	BRS	19	S91 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1)
89	BRS	1	S62 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1)
90	BRS	1	S62 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1) and phase
91	BRS	1	S62 and (windows holes aperturs slits) same (bg\$1 grating\$1 \$2bg mask\$1) and phase and (shap44 pattern\$1)

	<b>DBs</b>	<b>Time Stamp</b>	<b>Comments</b>	<b>Error Definition</b>
77	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 17:32		
78	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:07		
79	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:08		
80	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:09		
81	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
82	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
83	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
84	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
85	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
86	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
87	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 18:38		
88	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 18:29		
89	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 19:12		
90	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 19:15		
91	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 19:28		

	<b>Errors</b>	<b>Ref #</b>
77		S81
78		S82
79		S83
80		S84
81		S85
82		S86
83		S87
84		S88
85		S89
86		S90
87		S91
88		S92
89		S93
90		S94
91		S95

	Type	Hits	Search Text
92	BRS	1	S62 and (phase same (slit\$3 holes shap\$4 pattern\$1 shift\$4 delay\$4 var\$5 chang\$4))
93	BRS	1	S62 and (phase same (mask\$4 slit\$3 holes shap\$4 pattern\$1 shift\$4 delay\$4 var\$5 chang\$4))
94	BRS	1	10/733325



	<b>DBs</b>	<b>Time Stamp</b>	<b>Comments</b>	<b>Error Definition</b>
<b>92</b>	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 19:31		
<b>93</b>	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/21 19:31		
<b>94</b>	US-PGPUB; USPAT; EPO; JPO; DERWENT	2005/11/23 17:32		

	<b>Errors</b>	<b>Ref #</b>
<b>92</b>		S97
<b>93</b>		S98
<b>94</b>		S64